

velop a 10-year roadmap to guide the research, development, and demonstration program to integrate electric vehicles onto the electric grid.

(3) Consultation

In developing this report, the Secretary shall consult with relevant stakeholders, including—

- (A) electric vehicle manufacturers;
- (B) electric utilities;
- (C) public utility commissions;
- (D) vehicle battery manufacturers;
- (E) electric vehicle supply equipment manufacturers;
- (F) charging infrastructure manufacturers;
- (G) the National Laboratories; and
- (H) other Federal agencies, as the Secretary determines appropriate.

(4) Updates

The Secretary shall update the report required under this section every 3 years for the duration of the program under section¹ (a) and shall submit the updated report to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Energy and Natural Resources of the Senate.

(c) Program implementation

In carrying out the research, development, demonstration, and commercial application aims of section,² the Secretary shall—

- (1) implement the recommendations set forth in the report in subsection (b); and
- (2) coordinate across all relevant program offices at the Department to achieve the goals established in this section, including the Office of Electricity.

(d) Testing capabilities

The Secretary shall coordinate with the National Laboratories to develop testing capabilities for the evaluation, rapid prototyping, and optimization of technologies enabling integration of electric vehicles onto the electric grid.

(Pub. L. 110-140, title I, §137, as added Pub. L. 116-260, div. Z, title VIII, §8004(c), Dec. 27, 2020, 134 Stat. 2584.)

SUBCHAPTER II—ENERGY SECURITY THROUGH INCREASED PRODUCTION OF BIOFUELS

PART A—RENEWABLE FUEL STANDARD

§ 17021. Biomass-based diesel and biodiesel labeling

(a) In general

Each retail diesel fuel pump shall be labeled in a manner that informs consumers of the percent of biomass-based diesel or biodiesel that is contained in the biomass-based diesel blend or biodiesel blend that is offered for sale, as determined by the Federal Trade Commission.

(b) Labeling requirements

Not later than 180 days after December 19, 2007, the Federal Trade Commission shall pro-

mulgate biodiesel labeling requirements as follows:

(1) Biomass-based diesel blends or biodiesel blends that contain less than or equal to 5 percent biomass-based diesel or biodiesel by volume and that meet ASTM D975 diesel specifications shall not require any additional labels.

(2) Biomass-based diesel blends or biodiesel blends that contain more than 5 percent biomass-based diesel or biodiesel by volume but not more than 20 percent by volume shall be labeled “contains biomass-based diesel or biodiesel in quantities between 5 percent and 20 percent”.

(3) Biomass-based diesel or biodiesel blends that contain more than 20 percent biomass based or biodiesel by volume shall be labeled “contains more than 20 percent biomass-based diesel or biodiesel”.

(c) Definitions

In this section:

(1) ASTM

The term “ASTM” means the American Society of Testing and Materials.

(2) Biomass-based diesel

The term “biomass-based diesel” means biodiesel as defined in section 13220(f) of this title.

(3) Biodiesel

The term “biodiesel” means the monoalkyl esters of long chain fatty acids derived from plant or animal matter that meet—

- (A) the registration requirements for fuels and fuel additives under this section; and
- (B) the requirements of ASTM standard D6751.

(4) Biomass-based diesel and biodiesel blends

The terms “biomass-based diesel blend” and “biodiesel blend” means a blend of “biomass-based diesel” or “biodiesel” fuel that is blended with petroleum-based diesel fuel.

(Pub. L. 110-140, title II, §205, Dec. 19, 2007, 121 Stat. 1529.)

EFFECTIVE DATE

Section effective on the date that is 1 day after Dec. 19, 2007, see section 1601 of Pub. L. 110-140, set out as a note under section 1824 of Title 2, The Congress.

§ 17022. Grants for production of advanced biofuels

(a) In general

The Secretary of Energy shall establish a grant program to encourage the production of advanced biofuels.

(b) Requirements and priority

In making grants under this section, the Secretary—

- (1) shall make awards to the proposals for advanced biofuels with the greatest reduction in lifecycle greenhouse gas emissions compared to the comparable motor vehicle fuel lifecycle emissions during calendar year 2005; and
- (2) shall not make an award to a project that does not achieve at least an 80 percent reduc-

¹ So in original. Probably should be “subsection”.

² So in original. Probably should be “of this section.”.